

# Receiving Report

Date: 14/4/28

Batch No: M128998

Supplier: Br

Dart P/O: 23926

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒  
 Shipment Complete: Yes ☐ No ☒ N/A ☐  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number
M52060	A04W2	100	C	C	100		
					On Recd 14/4/28		

Initials of Receiver QC12

Production/Admin:

Date \_\_\_\_\_

Received/Costing \_\_\_\_\_

Initial \_\_\_\_\_

Location \_\_\_\_\_





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO23926**

Purchase Order Date 4/24/2014

PO Print Date 4/24/2014

Page Number 1 of 3

**Order From :**

VU-BEA001

B/E AEROSPACE INC  
88289 EXPEDITE WAY  
CHICAGO, IL 33172  
USA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 305-925-2600

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx PI collect

**Ship Acct:**

**Buyer**

Michael Gregoire

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

FCA - (Free Carrier)

*M128995*

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	MS171539	Pin	5/1/2014		25.00 ✓	\$0.80	\$20.00
			Yes		Each		
			5/1/2014				
Line Total:							\$20.00
2	MS20601-AD4W2	Rivet	5/1/2014		100.00	\$0.15	\$15.00
			Yes		Each		
			5/1/2014				
Line Total:							\$15.00
3	MS21060-L3K	Nut Plate	5/1/2014		150.00 ✓	\$0.95	\$142.50
			Yes		Each		
			5/1/2014				

*1614/4/28*

Note:

4/24/2014



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO23926

Purchase Order Date 4/24/2014

PO Print Date 4/24/2014

Page Number 2 of 3

**Order From :**

VU-BEA001

B/E AEROSPACE INC  
88289 EXPEDITE WAY  
CHICAGO, IL 33172  
USA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

305-925-2600

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx PI collect

**Ship Acct:**

**Buyer**

Michael Gregoire

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

FCA - (Free Carrier)

**Line Total:** \$142.50

4 MS24665-289

Cotter Pin

5/1/2014

25.00

Yes

Each

\$0.80

\$20.00

**Line Total:** \$20.00

5 NAS1149D0463J

WASHER

5/1/2014 FN

1,500.00

Yes

Each

\$0.03

\$45.00

**Line Total:** \$45.00

6 NAS1149DN949J

Washer

5/1/2014 FN

100.00

Yes

Each

\$0.15

\$15.00

**Line Total:** \$15.00

**Note:**

4/24/2014

# B/E Aerospace, Inc.

Page: 1 of 1

## CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191  
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR  
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


### Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

**FIRM: DART AEROSPACE LTD**

**PURCHASE ORDER#: PO23926**

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
1	25	EA	MS171539		434108	SPIROL INT'L, STOW,	87739		

  
Jason Lewis  
Vice President of Quality

04/25/14

Page  
Brn/Plt

10

Ord Date  
Print date

06/21/1  
9/10/1

SHIP TO:

**B/E AEROSPACE CONSUMABLES MANAGEMENT**  
**9835 NW 14TH ST**  
**MIAMI FL 33172**  
**USA**

56488

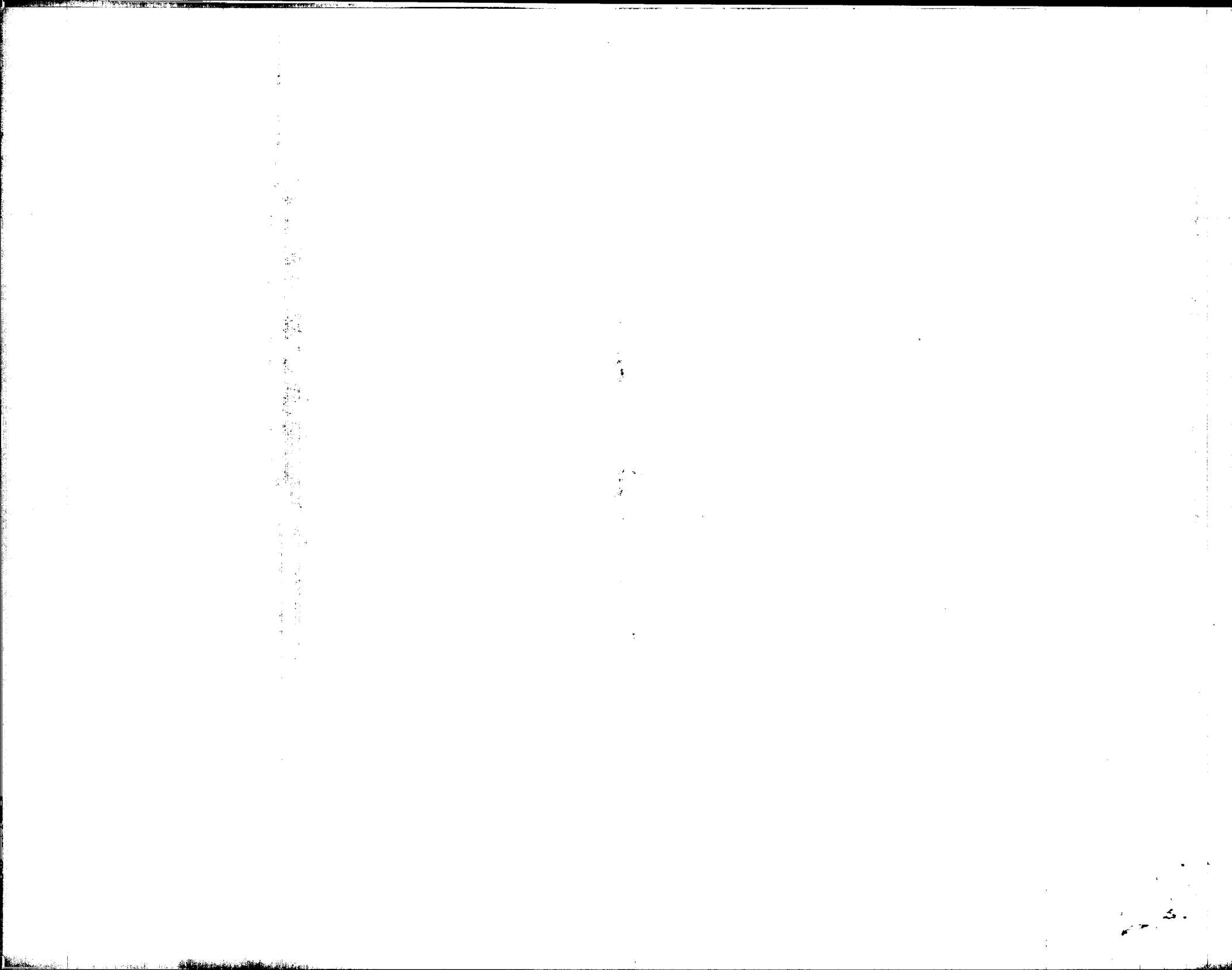
**INVOICE TO:**

B/E AEROSPACE CONSUMABLES MANAGEMENT  
PO BOX 025263  
MIAMI FL 33102-5263  
USA

25021

**TERMS: NET 30 DAYS F.O.B.: SHIPPING POINT**

[illegible]



# SPIROL

**Spirol International Corporation**

30 Rock Avenue  
Danielson, CT 06239-1434

ISO/TS 16949:2002 Certified

Telephone: 860-774-8571  
Fax: 860-774-2048  
www.spirol.com

## CERTIFICATION OF CONFORMANCE

**Customer :** B/E AEROSPACE CONSUMABLES MANAGEMENT  
PO BOX 025263  
MIAMI, FL 33102-5263  
USA

09/10/2013

**Customer Order#:** OPVB37

**Spirol Order#:** 732009-000 SO

Qty	Part Number	Product Description	Lot Number	Heat Number
2000	88291251625	SLTP .125 X 1.625 CP-M	434108	7911925-06

The item described herein is in conformance with the applicable specifications and additional requirements noted below. Inspection and test results are kept on file per applicable specifications and SPIROL International Corporation's internal document control procedures.

### Additional Requirements:

Parts Heat Treated To HV423-544

Passivate Per AMS 2700 Method 1 Type 2 (400 Series Stainless) or Type 6 (300 Series Stainless)

Parts meet the minimum shear of: 2100 LBS.

This is to certify that to the best of our knowledge we do not add mercury to any of our processes or products.

Specification Number: NASM-171 Rev - 2

Part Number: MS171539

Material conforms to DFARS 252.225-7009

Parts meet specification AS7207 for ductility Requirements (MS171)



Ruth A Roy  
Quality Assurance Inspector

NORTH AMERICA • SOUTH AMERICA • EUROPE • ASIA / PACIFIC

Manufacturing Quality Products Since 1945





# B/E Aerospace, Inc.

Page: 1 of 1

## CONSUMABLES MANAGEMENT

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www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


### Material Certification

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**FIRM: DART AEROSPACE LTD**

**PURCHASE ORDER#: PO23926**

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
7	750	EA	NAS1149F0432P		X5925	ANILLO INDUSTRIES	10630		

  
Jason Lewis  
Vice President of Quality

04/25/14



# ANILLO Industries, Inc.

2090 NORTH GLASSELL STREET, ORANGE, CA 92865-3391 USA  
PLEASE REMIT TO  
P.O. BOX 5586 ORANGE, CA 92863-5586 USA  
(714)637-7000 (562)924-6632 FAX(714) 637-3022

AS9100  
NADCAP CP  
ISO 9001  
CERTIFIED

## 548903

## Packing List & Certification

WE ACCEPT  
VISA/MASTER/DISCOVER/AMEX

<b>SOLD TO</b> B/E AEROSPACE, INC. ATTN: ACCOUNTS PAYABLE DEPT. P.O. BOX 025263  MIAMI, FL 33102-5263		<b>1165</b>	<b>SHIP TO</b> B/E AEROSPACE, INC. CONSUMABLES MANAGEMENT 9835 NW 14TH ST  MIAMI, FL 33172		<b>E</b>
DATE ORDER REC'D <b>12/07/2011</b>	ORDER NUMBER <b>1A1351</b>	INVOICE DATE	SHIPPED VIA <b>FEDXG 033101490</b>	TERMS 1% 10 DAYS, NET 30	
ITEM	ORDERED	SHIPPED	DESCRIPTION	NET WEIGHT	

1 4,385,403 **850,000** **NAS1149F0432P**  
REV 5 /LOT#X5922/X5925/MIN/MAX /QCR:1,4,6,8,15,16/AN960-416L

ECCN: 9A991 Schedule B#: 7318.22.0000 COO: US NLR

ANILLO IND. (CageCode: 10630)

Part #: NAS1149F0432P

Quantity: 475000

P.O.#: 1A1351

LOT#: X5922

ITEM#: 1 REV. 5

Packed By: MR

ANILLO IND. (CageCode: 10630)

Part #: NAS1149F0432P

Quantity: 375000

P.O.#: 1A1351

LOT#: X5925

ITEM#: 1 REV. 5

Packed By: MR

We certify that: 1. Item number 1 above is manufactured in accordance with the material and processing specifications of this order.  
2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on file and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods.  
No good to be returned without written authorization. All claims for defective material must filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above.

<< R.M.A.# REQUIRED FOR RETURNS >>

## Certification

B/E Aerospace, Inc. - Consumables Management

Self Release

Signature and Stamp: 

Date: 08-05-13



BY Ben Omidwar  
Ben Omidwar, Quality Assurance Manager

FI 4.03.05

# B/E Aerospace, Inc.

Page: 1 of 1

## CONSUMABLES MANAGEMENT

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Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR  
www.beconsumables.com



Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

### Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

**FIRM: DART AEROSPACE LTD**

**PURCHASE ORDER#: P023926**

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
4	25	EA	MS24665-289		BB030113F	WESTERN WIRE/FENTON	65029		

  
Jason Lewis  
Vice President of Quality

04/25/14

Continued



## Western Wire Products


770 Sun Park Drive  
Fenton, MO 63026  
636/305-1100 Fax: 636/305-1119  
800-325-3770  
www.westernwireprod.com  
sales@westernwireprod.com

## PACKING SLIP

Order #	Page #	***REPRINT***
417767-00	2	
PO Date	PO #	
04/16/13	ONVF50	

Cust #: 178260  
Bill To: B E AEROSPACE, INC  
P O BOX 025263  
MIAMI, FL 331025263

Ship To: B E AEROSPACE CONSUMBLS MGMT  
9835 N W 14TH STREET  
MIAMI, FL 33172

Order Type: FAX		
Instructions	Taken By	Order #
ADHERE 2 SHIP DATE SIGN PS	cinn	
Ship Point	Via	Request
Western Wire Products Co	FXG COLLECT	04/23/13
		Shipped
		04/29/13
		Terms
		1%15 N30

LINE	ITEM AND DESCRIPTION	SIN	ORDERED	S.O.	SHIPPED	UM	PACKED	TYPE OF CONTAINER	CONTAINER WEIGHT
1	DO NOT INSURE 105112EPCPCP / /N14/D04 75,000.00 MS24665-289 3/32 X 1-1/2 / /C05/19A STEEL COTTERS, CAD, PLTD Interchange Prod: MS24665-289 .0002 YELLOW CHROMATE EXTENDED PRONG CHISEL POINT Lot #: BB030113F Qty: 60,822.00 Lot #: BB081712A Qty: 14,178.00 Q416145TE03222013LN11 REL NO K2N10NVF50 CTNS 1-6 40# EA 12,000 PCS EA CTN 7 10# 3000 PCS CC 4-25-13 4/29/13 SKID 1 - 619# 19 CTNS TOTAL J.C.			0.00	75,000.00	EA			
2	98P&C PHYSICAL & CHEMICAL CERT	ZZ/ZZ/ZZZ/ZZZ	1.00	0.00	1.00	EA			
3	98COFC CERTIFICATION OF COMPLIANCE	ZZ/ZZ/ZZZ/ZZZ	1.00	0.00	1.00	EA			
					Total INVOICE TOTAL:				
					Cash Discount \$				
3	Lines Total	** # of Lines Not Printed	0	Qty Shipped Total	75002.00	Total			
Picked By	Packed By	Checked By	Cube	Weight	Freight Charges	Received By	Date Received		
			0.00000	232.50000					

**NO RETURNS WITHOUT PRIOR APPROVAL (RMA # REQUIRED)**





## Western Wire Products


770 Sun Park Drive  
Fenton, MO 63026  
636/305-1100 Fax: 636/305-1119  
800-325-3770  
www.westernwireprod.com  
sales@westernwireprod.com

## PACKING SLIP

Order #	Page #	***REPRINT***
417767-00	2	
PO Date	PO #	
04/16/13	ONVF50	

Cust #: 178260  
Bill To: B E AEROSPACE, INC  
P O BOX 025263  
MIAMI, FL 331025263

Ship To: B E AEROSPACE CONSUMBLS MGMT  
9835 N W 14TH STREET  
MIAMI, FL 33172

Order Type: FAX				
Instructions	Taken By	Order #		
ADHERE 2 SHIP DATE SIGN PS	cinn			
Ship Point	Via	Request	Shipped	Terms
Western Wire Products Co	FXG COLLECT	04/23/13	04/25/13	1%15 N30

LINE	ITEM AND DESCRIPTION	BIN	ORDERED	B.O.	SHIPPED	UM	PACKED	TYPE OF CONTAINER	CONTAINER WEIGHT
1	DO NOT INSURE 105112EPCPCP / /N14/D04 75,000.00 MS24665-289 3/32 X 1-1/2 / /C05/19A STEEL COTTERS, CAD. PLTD Interchange Prod: MS24665-289 .0002 YELLOW CHROMATE EXTENDED PRONG CHISEL POINT Lot #: BB030113F Qty: 60,822.00 Lot #: BB081712A Qty: 14,178.00 Q416145TE03222013LN11 REL NO K2N10NVF50 CTNS 1-6 40# EA 12,000 PCS EA CTN 7 10# 3000 PCS CC 4-25-13			0.00	75,000.00	EA			
2	98P&C ZZ/ZZ/ZZZ/ZZZ PHYSICAL & CHEMICAL CERT		1.00	0.00	1.00	EA			
3	98COFC ZZ/ZZ/ZZZ/ZZZ CERTIFICATION OF COMPLIANCE		1.00	0.00	1.00	EA			
4	98COFC ZZ/ZZ/ZZZ/ZZZ CERTIFICATION OF COMPLIANCE		1.00	1.00	0.00	EA			
5	98P&C ZZ/ZZ/ZZZ/ZZZ PHYSICAL & CHEMICAL CERT		1.00	1.00	0.00	EA			
						Total INVOICE TOTAL:			
						Cash Discount \$			
5	Lines Total	** # of Lines Not Printed	0	Qty Shipped Total	75002.00	Total			
Picked By	Packed By	Checked By	Cube	Weight	Freight Charges	Received By			
			0.00000	232.50000					

NO RETURNS WITHOUT PRIOR APPROVAL (RMA # REQUIRED)





# B/E Aerospace, Inc.

Page: 1 of 1

## CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191  
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR  
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

### Material Certification

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**FIRM: DART AEROSPACE LTD**

**PURCHASE ORDER#: PO23926**

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
5	1500	EA	NAS1149D0463J		X7381	ANILLO INDUSTRIES	10630		

  
Jason Lewis  
Vice President of Quality

04/25/14

**ANILLO Industries, Inc.**

2090 NORTH GLASSELL STREET, ORANGE, CA 92865-3391 USA  
PLEASE REMIT TO  
P.O. BOX 5586 ORANGE, CA 92863-5586 USA  
(714)637-7000 (562)924-6632 FAX(714) 637-3022

**562542****Packing List & Certification**

WE ACCEPT  
VISA/MASTER/DISCOVER/AMEX

<b>SOLD TO</b>		<b>1165</b>	<b>SHIP TO</b>		<b>E</b>
B/E AEROSPACE, INC. ATTN: ACCOUNTS PAYABLE DEPT. P.O. BOX 025263  MIAMI, FL 33102-5263			B/E AEROSPACE, INC. CONSUMABLES MANAGEMENT 9835 NW 14TH ST  MIAMI, FL 33172		
DATE ORDER REC'D	ORDER NUMBER	INVOICE DATE	SHIPPED VIA	TERMS	
08/30/2013	0RXL42		FEDXG/033101490	1% 10 DAYS, NET 30	
ITEM	ORDERED	SHIPPED	DESCRIPTION	NET WEIGHT	
2	400,000		NAS1149D0463J REV 5 / LOT#X7381/SA3538 /QCR:1,4,6,8,15,16,AN960JD416 ECCN: 9A991 Schedule B#: 7616.10.8000 COO: USNLR		
ANILLO IND. (CageCode: 10630) Part #: NAS1149D0463J Quantity: 218700 P.O.#: 0RXL42 LOT#: X7381 ITEM#: 2 REV. 5 Packed By: MR			ANILLO IND. (CageCode: 10630) Part #: NAS1149D0463J Quantity: 181300 P.O.#: 0RXL42 LOT#: SA3538 ITEM#: 2 REV. 5 Packed By: MR		

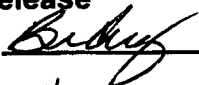
We certify that: 1. item number 2 above is, manufactured in accordance with the material and processing specifications of this order.  
2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on file and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods.  
No good to be returned without written authorization. All claims for defective material must filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above.

&lt;&lt; R.M.A.# REQUIRED FOR RETURNS &gt;&gt;

&lt;&lt; TO THE BEST OF OUR KNOWLEDGE, PARTS ARE MERCURY FREE &gt;&gt;

**Certification**

B/E Aerospace, Inc.  
Consumable Management  
Self Release

Signature & Stamp: Date: 3-19-14

BY Ben Omidwar  
Ben Omidwar, Quality Assurance Manager

FI 4.03.05

12/02/2013 From: METAL CENTER - SANTA FE SPRINGS  
5102  
PO 32825  
SO 385201

To: HIGHTOWER METALS PORD

**KAISER  
ALUMINUM**

Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586



## CERTIFIED TEST REPORT

Serial Number  
4316249



Lot: 660592A7 Cast 641

Drop 52

Ingot 3

Melted in USA

(ASTM E8/B557)  
(EN 2002-1)

Tensile: Temper  
T3

Dir / # Tests  
LT / 2 (Min:Max)

Ultimate KSI (MPA)  
64.3 : 65.1  
(443 : 449)

Yield KSI (MPA)  
45.4 : 45.9  
(313 : 316)

Elongation %  
17.3 : 18.1

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.09	0.22	4.5	0.62	1.4	0.01	0.10	0.02	0.01	0.00	TOT 0.03

### ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15
Liner Alloy: 1230												
MIN(wt%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EACH	0.03
MAX(wt%)	0.25	0.30	0.10	0.05	0.05	0.03	0.05	0.03	0.03	0.03	TOT	0.00

Aluminum Remainder

AN9605D46

CERTIFIED COPY OF ORIGINAL  
We have verified that this document is a  
correct and complete copy of the original.  
Date: 3-19-14  
Part Number: NAS1149504635  
Lot Number: 87381  
Signature: [Signature]  
Title: Quality Records Clerk

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO 9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:  
\* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.  
\* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.226 for domestic content.  
\* has been thermally processed in compliance with AMS 2772, where applicable.  
\* is mercury free, within the limits of detection of ASTM E1251 (< = 1ppm).  
\* is in compliance with RoHS 2, European Union Directive 2011/65/EU.  
\* is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1907/2006.  
\* is free of Conflicto Minerals, as defined in Section 15.2 of the Dodd-Frank Act.  
Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY  
JAMES HEMENWAY, LABORATORIES SUPERVISOR

# Certification

ANILLO INDUSTRIES, INC.  
2090 North Glassell st.  
Orange, CA. 92865-3391  
(714) 637-9110

*This is to certify that the below listed parts were processed per the applicable specification listed below.*

*Test reports and procedures governing this process are on file and subject to examination.*

## CHEMICAL FILM MIL-DTL-5541

Type	Class	Thickness	Revision
I	3		F

Job Number: **X7381**

P/N REV.: **5**

Quantity:

**388,276**

Visual: **Y**

Part Number: **NAS1149 D 0463 J**

Adhesion: **N**

Description:

AN9605D416

Date: **01/02/14**

Authorized by:

*MARIBEL CUEVAS*

Stamp:



FORM # 4.09.117 REV A 05/19/09

# B/E Aerospace, Inc.

Page: 1 of 1

## CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191  
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR  
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


### Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

**FIRM: DART AEROSPACE LTD**

**PURCHASE ORDER#: PO23926**

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
3	150	EA	MS21060L3K		28800	PAOLO ASTORI	A3856		

  
Jason Lewis  
Vice President of Quality

04/25/14



**PAOLO ASTORI SPA**

Via Mirabella, 9 - Maggiate Superiore  
28013 Gattico (NO) - ITALY  
Tel. (+39) 0322 838847  
Fax (+39) 0322 880198  
Web: www.paoloastori.com

**CERTIFICATO DI CONFORMITA'  
CERTIFICATE OF CONFORMANCE****N° 4881****Data 03/10/2008****Spett:**

M-M AEROSPACE HARDWARE INC.  
10000 NW 15 TERRACE  
MIAMI - FL  
USA

Si certifica che il materiale sotto elencato è stato collaudato presso la nostra officina e risulta conforme ai requisiti dei vostri ordini e alle specifiche dei disegni ivi richiamati.

*This is to certify that goods listed below have been inspected in our plant and are up to your orders and to the specifications of the drawings mentioned therein.*

Pos.	Descrizione merce	Rif.Ordine	Data Ordine	Quantità	U.M.	Lotto	Peso
1	MS21060L3K (NAS686C3MK)	0AV622	02/02/2007	5000	N	28800	
2	MS21060L3K (NAS686C3MK)	0AV622	02/02/2007	5000	N	28800	
3	MS21060L3K (NAS686C3MK)	0AV622	02/02/2007	5000	N	28800	
4	MS21060L3K (NAS686C3MK)	0AV622	02/02/2007	5000	N	28800	
5	MS21060L3K (NAS686C3MK)	0AV622	02/02/2007	5000	N	28800	
6	MS21060L3K (NAS686C3MK)	0AV622	02/02/2007	5000	N	28800	
7	MS21060L3K (NAS686C3MK)	0AV622	02/02/2007	495	N	28800	

THE SUPPLIES HEREON ARE RELEASED TO YOU IN ACCORDANCE WITH THE REQUIREMENTS OF BAE/AG/SC1 PART 3 UNDER OUR APPROVAL NUMBER BAE/AG/30631/MAA AND IN ACCORDANCE WITH OUR AIRBUS SAS APPROVAL NUMBER 204788

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The sellers manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, as seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoice value of the parts in subject.



**PAOLO ASTORI SPA**  
Via Mirabella, 9  
28013 Maggiate Superiore (NO)  
Tel. (+39) 0322 838847  
Fax (+39) 0322 880198



## INSPECTION CERTIFICATE

**28800**

Report # 28800  
Customer P/N MS21060L3K (NAS686C3MK)  
Astori product code 1OAX86A307N41  
Lot # 28800  
Procurement Spec. MIL-N-25027E  
Raw material Spec. AMS5525G  
Raw Material Lot # -2085  
Purchase Order Ref: M-M AEROSPACE HARDWARE INC. (P.O. 0AV622)

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The seller's manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, as seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoice value of the parts in subject.

TEST DESCRIPTION	SAMPLES #	UNIT	REQUIRED VALUES		ACTUAL VALUES	OPERATOR BADGE #
			Min	Max		
AXIAL TENSILE LOAD (N)		N	10947		>12100	118
DIMENSIONAL INSPECTION		-			OK	
DISCONTINUITY INSPECTION		-			OK	
HARDNESS TEST		HRC		49	36-44	118
LOCKING TORQUE (Nm)		Nm	0.23	2.07	1.3-0.8-0.3	118
VISUAL INSPECTION		-			OK	

### Note.

This is to certify that parts have been produced, controlled and accepted according to the requirements of the above specification.  
Material, heat treatments and manufacturing processes are the same as those used for the qualification approval.  
The chemical analysis values have been reproduced from the original certificates released by the raw material supplier.

### PRIMARY HEAT CHEMISTRY

C	0.05	Mn	0.27	Si	0.15	P	0.012	S	0.0005
Cr	14.03	Ni	24.45	Mo	1.22	Co	0.35	Al	0.15
Ti	2.21	V	0.22	B	0.007				

This is to certify that the goods have been produced, inspected and accepted according to the requirements of the above Specification.

The supplies hereon are released to you in accordance with the requirements of BAE/AG/SC1 PART 3 under our approval number BAE/AG/30631/MAA

Issue Date 03/10/2008

EN10204 COMPLIANT - DESIGNATION 3.1.B

Prepared by:  
Gabriele Campagnoli







# B/E Aerospace, Inc.

Page: 1 of 1

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**FIRM: DART AEROSPACE LTD**

**PURCHASE ORDER#: P023926**

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
6	100	EA	NAS1149DN949J		9650-4/25/13	MOELLER MFG	58009		

  
Jason Lewis  
Vice President of Quality

04/25/14

**MOELLER MFG. & SUPPLY, INC.**

805 EAST CERRITOS • ANAHEIM, CA 92805

(714) 999-5551 • FAX (714) 999-5970

<http://www.moellermfg.com>

cage code: 58009

SHIPPER NO. : 42536

**CERTIFICATION****PACKING LIST**S  
O  
L  
D  
T  
OB/E AEROSPACE CONSUMABLES  
MANAGEMENT  
PO BOX 025263

MIAMI

FL 33102-5263

Customer #: B/E AER-FL

S  
H  
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P  
T  
OB/E AEROSPACE CONSUMABLES  
MANAGEMENT  
9835 NW 14TH ST

MIAMI

FL 33172

P.O. #: 0NXE08

DATE ORDER REC'D.		ORDER NO.		COMMENTS		SHIPPED VIA	TERMS	DUE	
4/24/2013		0NXE08				FED X GRD	1%-10/N-30	5/30/2013	
ITEM	ORDERED	SCHEDULED	SHIPPED	PART NUMBER/DESCRIPTION					NET WT.
01	15,000	15,000	15,000 RL	NAS1149DN949J REV. 5 AN960JD9 REV. 21 LOT 9650- 4/25/13 FULL CERTS ABCEFHPUV 910-A {S}					15,000 12.85

MANUFACTURED IN THE U.S.A.

MOELLER MFG. &amp; SUPPLY, INC. - PACKING LIST &amp; CERTIFICATION

WE CERTIFY THAT THE MATERIAL ON THIS ORDER CONFORMS IN ALL RESPECTS TO THE CURRENT APPLICABLE GOVERNMENT AND/OR MANUFACTURER'S SPECIFICATIONS.

1. ALL ITEMS ABOVE ARE MANUFACTURED IN ACCORDANCE WITH THE MATERIAL AND PROCESSING SPECIFICATIONS OF THIS ORDER. WE ALSO CERTIFY THAT THESE PARTS HAVE NOT COME IN CONTACT WITH MERCURY WHILE IN OUR POSSESSION.
2. THE GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE FAIR LABOR STANDARD ACTS OF 1938, AS AMENDED. ALL CLAIMS FOR ERRORS OR SHORTAGES MUST BE MADE WITHIN 10 DAYS AFTER RECEIPT OF GOODS. NO GOODS TO BE RETURNED WITHOUT WRITTEN AUTHORIZATION. ALL CLAIMS FOR DEFECTIVE MATERIAL MUST BE FILED WITHIN 30 DAYS OF SHIPMENT TO RECEIVE CONSIDERATION. WE DO NOT ASSUME FINANCIAL RESPONSIBILITY FOR LIABILITY FROM THE USE OF PRODUCTS SOLD, OTHER THAN REPLACEMENT VALUE OF THE PRODUCTS SOLD, IF CLAIMED WITHIN THE SPECIFIED TIME LIMIT ABOVE.
3. PARTS ARE TO BE CONSIDERED ITAR EXEMPT OR DUAL PURPOSE UNLESS OTHERWISE STATED.

BY

BARRY LUKE, Q.A. MANAGER

RECEIVED IN  
GOOD CONDITION BY  
DATE

5/30/13

PACKED BY

RL

BAGS

CARTONS

GROSS WT.

14

MOELLER MANUFACTURING &amp; SUPPLY, INC. • 805 EAST CERRITOS • ANAHEIM, CA 92805 • U.S.A.



# B/E Aerospace, Inc.

Page: 1 of 1

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**FIRM: DART AEROSPACE LTD**

**PURCHASE ORDER#: P023926**

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
2	100	EA	MS20601AD4W2		86918562	CHERRY AEROSPACE SAN 11815			

  
Jason Lewis  
Vice President of Quality

04/28/14



**CHERRY®**  
**AEROSPACE**  
SFJ Fastener Division, a PCC Company

Cherry Aerospace  
1224 East Warner Avenue  
Post Office Box 2157  
Santa Ana, CA 92707-0157  
USA



# PACKING LIST

Order No: SO298683  
Order Date: 09/08/06  
Print Date: 01/31/08

Page: 1



Sold-To: 10015341

Ship-To: 19000244

S O L D T O	M&M AEROSPACE HARDWARE PO BOX 025263 MIAMI, FL 33102-5263 USA
----------------------------	--

S H I P T O	M&M AEROSPACE HARDWARE 10000 N.W. 15TH TERRACE MIAMI, FL 33172 USA
----------------------------	---

Salesperson (s):110

Purchase Order: 0AL177

Credit Terms: 1%10,30  
1%10, Net 30

Ship Via: WATKINS FREIGHT CL.  
FOB: Origin - Collect

## Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT-ACCOUNT# 0331-0149-0  
IF OVER 150# SHIP WATKINS MOTOR LINE ACCOUNT# 018757 - DO NOT INSURE  
DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS  
DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

\*\*\*\*\*  
BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3  
AIRBUS APPROVAL# 30114  
\*\*\*\*\*

GOODS OF UNITED STATES ORIGIN  
\*\*\*\*\*

Ln	Item Number	Site T Location	Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped	
2	CR9162-4-02		1600		EA	12/13/07	
	Customer Item: MS20601AD4W2						
		G0104	86918562	23200.0		( )	

**TEST REPORTS  
ENCLOSED DO  
NOT DESTROY**

Packing List



**CHERRY®**  
**AEROSPACE**  
SPS Fastener Division, a PCC Company

Cherry Aerospace  
1224 East Warner Avenue  
Post Office Box 2157  
Santa Ana, CA 92707-0157  
USA



# PACKING LIST

Order No: SO298683  
Order Date: 09/08/06  
Print Date: 01/31/08

Page: 1



Sold-To: 10015341

Ship-To: 19000244

S O L D T O	M&M AEROSPACE HARDWARE PO BOX 025263 MIAMI, FL 33102-5263 USA
----------------------------	--

S H I P T O	M&M AEROSPACE HARDWARE 10000 N.W. 15TH TERRACE MIAMI, FL 33172 USA
----------------------------	---

Salesperson (s):110

Purchase Order: 0AL177

Credit Terms: 1%10,30  
1%10, Net 30



Ship Via: WATKINS FREIGHT CL.  
FOB: Origin - Collect

## Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0  
IF OVER 150# SHIP WATKINS MOTOR LINE ACCOUNT# 018757 - DO NOT INSURE  
DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS  
DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

\*\*\*\*\*  
BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3  
AIRBUS APPROVAL# 30114  
\*\*\*\*\*

GOODS OF UNITED STATES ORIGIN  
\*\*\*\*\*

Ln	Item Number	Site T Location	Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
2	CR9162-4-02 Customer Item: MS20601AD4W2 	1600 G0104	86918562	23200.0	EA	12/13/07 

**TEST REPORTS  
ENCLOSED DO  
NOT DESTROY**

## CERTIFICATION

## ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications, Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative

Signed

SIM NGUYEN



**CHERRY<sup>®</sup> AEROSPACE**  
SPS Fastener Division, a PCC Company

1224 East Warner Avenue  
Santa Ana, CA 92707-0157



Chemical Processing  
Heat Treating  
ISO/IEC 17025  
Material Testing Lab

## Final Inspection & Test Report Cherry<sup>®</sup> Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Part Numbers	Rev	Proc. Spec.	Rev
CR9162-4-02	M	MIL-R-7885	D2

Lot I.D. No.: **86918562**

Lot Size: **23,500**

MFG. Date: **January 30, 2008**

### ASSEMBLY DATA

TYPE	ID #	CERT #	MATERIAL	FINISH	LUBE
Rivet	86918562	A56348	2117-T4 ALUM. ALLOY	MIL-C-5541	Par-90
Stem	86886472	A56437	2017-T4 ALUM. ALLOY	MIL-C-5541	None

W.O. #: 5296108

Final Lube: None

### MECHANICAL STRENGTH TEST

	INSTALLED SHEAR		SPINDLE RETENSION	
MIN REQ'D	240		15	
SAMPLE SIZE	9		9	
SPECS			UnLocked	
RESULTS	337	352	26	24
	338		31	
	352		29	
	332		18	
	336		24	
	335		32	
	332		18	
LOAD VALUES IN POUNDS	352		32	

### METALLURGICAL AND OTHER RELATED TESTS/REQUIREMENTS

PCS.	ITEM	STATUS	PCS.	ITEM	STATUS
<u>125</u>	EXAMINATION	<u>PASS</u>	<u>13</u>	INSTALLATION (Min and Max Grips)	<u>PASS</u>
	Locking feature (missing collar/spindle)			Spindle Protrusion/Recession	
	Visual (grip/material code, ID)			Collar Protrusion	
	Laps, seams, folds			Blind Head Dia./Formation	
<u>32</u>	Roundness/Concentricity	<u>PASS</u>		Tightness in plate	
	Dimensional, ID Marks, Tool Marks/Nick				

**Comments:**  
Blind Fastener

Tr. Rev.:  
Rev. Date: 1/30/2008

Inspector  
M Garcia



Insp. Control #: 264805

Cherry Aerospace certifies that the product tested above conforms to all referenced specifications listed and that the original data are available for review upon sufficient notice. Cherry Aerospace further certifies that the articles listed above have been manufactured and inspected in accordance with FAA TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Substitution of parts may only be done if acceptable to or approved by the FAA Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.  
The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.



**CHERRY** AEROSPACE  
SPS Fastener Division, a PCC Company



Accredited

**Nadcap**

Chemical Processing  
Heat Treating  
ISO/IEC 17025  
Material Testing Lab

1224 East Warner Avenue  
Santa Ana, CA 92707-0157

## Final Inspection & Test Report Cherry® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

### Customer Parts List

Lot I.D. No.: 86918562

Rev: -

<u>Customer Part Number</u>	<u>Rev</u>	<u>Proc. Spec.</u>	<u>Rev</u>
MS20601AD4W2	-	MIL-R-7885	D2

**1547 Helton Drive - Florence, AL 35630**

CHERRY AEROSPACE LLC  
ATTN ACCTS PAYABLE  
P. O. BOX 2157  
SANTA ANA, CA. 92707-0157

		ULTIMATE		YIELD		% ELONGATION	
LOT NUMBER	# OF TESTS	STRENGTH K.S.I.		STRENGTH K.S.I.			
		Min	Max	Min	Max		
K-841057	1	29.07	29.07				



OCT 26 2007

K241057

A56348

CHEM COMP	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		OTHERS	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
	2117		0.80		0.70	2.20	3.00		0.20	0.20	0.50		0.10	0.05	0.15
		NICKEL		ZINC		TITANIUM		LEAD		BISMUTH					
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
				0.25											
ALUMINUM REMAINDER															



**KAISER ALUMINUM**  
A CHEMICAL CORPORATION

**CERTIFIED TEST REPORT**

600 KAISER DRIVE HEATH, OH 43056

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NICHOLS WIRE INC.  
1547 HELTON AVE

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NICHOLS WIRE INC.  
1547 HELTON AVE

FLORENCE

AL 35630

FLORENCE

AL 35630

NICHOLS 4674 01 8000 0 I NSP404

MADE IN USA

CUSTOMER PURCHASE ORDER NO. & ITEM 12152				KAISER ORDER NO. 214483935	
ALLOY 2717	CLAD	TEMPER 0	GUAGE .37500	WIDTH 00.0000	LENGTH 000.000
ITEM SPECIFICATION REC 9-000MBU					
CUSTOMER SPECIFICATION					
PART NUMBER 0135761		SAL NUMBER 4674		DATE SHIPPED 09/25/07	
WEIGHT (LBS) 14,937		NO. OF PIECES 66		GOVT. CONTRACT NO.	

**CERTIFICATION**

KAISER ALUMINUM & CHEMICAL CORPORATION (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER HAS BEEN INSPECTED AND TESTED AND FOUND IN CONFORMANCE WITH THE APPLICABLE SPECIFICATIONS FORMING A PART OF THE DESCRIPTION SET FORTH IN KAISER'S SALES ORDER ACKNOWLEDGMENT FORM. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS & CONDITIONS OF SALE.

*John Desplante*  
Technical Manager

LOT NUMBER	NO. OF TESTS	MIN	MAX	Si	Mn	Mg	Zn	Cr
841057	3	21.6	21.8					
2-1F2	2	2.82	.39	.45	.15	.36	.15	.06



OCT 26 2007

NICHOLS WIRE INC.  
KEM 1057



A56348

CHEMICAL COMPOSITION (WT.%)										
	Cu	Fe	Si	Mn	Mg	Zn	Cr	Others Each	Others Total	
MIN	2.2				0.20					
MAX	3.0	0.7	0.8	0.20	0.50	0.25	0.10	0.05	0.15	

ALUMINUM REMAINDER



**KAISER ALUMINUM  
& CHEMICAL CORPORATION**

**CERTIFIED TEST REPORT**  
600 KAISER DRIVE HEATH, OH 43056

SHIP TO

NICHOLS WIRE INC.  
1547 HELTON AVE

SOLD TO

NICHOLS WIRE INC.  
1547 HELTON AVE

FLORENCE

AL 35630

FLORENCE

AL 35630

NICHOLS 4056 02 8000 D I NSP404

MADE IN USA

CUSTOMER PURCHASE ORDER NO. & ITEM 12122				KAISER ORDER NO. 214483862	
ALLOY 2017A	CLAD.	TEMPER O	GUAGE .37500	WIDTH 00.0000	LENGTH 000.000
ITEM ORDERED ALY-JUMBO					
CUSTOMER SPECIFICATION					
PART NUMBER 6037L1		B/L NUMBER 4056		DATE SHIPPED 07/31/07	
WEIGHT SHIPPED 22,240		NO. OF PIECES 98		GOVT. CONTRACT NO.	

**CERTIFICATION**

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John Gessert  
Technical Manager

LOT NUMBER	NO. OF TESTS		WGE	WGU						
840696	3	MIN	27.3	25.9						
		MAX	31.3	26.5						
5-1F2	3	Cu	Fe	Si	Mn	Mg	Zn	Cr	Zr	Ti
		98	31	39	61	70	22	03	01	01



NOV 09 2007

NICHOLS WIRE INC.  
K-640896

A56437

**CHEMICAL COMPOSITION (WT.%)**

	Cu	Fe	Si	Mn	Mg	Zn	Cr	Zr	Ti	Others	Other
MIN	3.5		.20	.40	.40			Zr+Ti	Zr+Ti	Each	Total
MAX	4.5	.7	.8	1.0	1.0	.25	.10	.25	0.25	.05	.15

ALUMINUM REMAINDER